

Declaration and Power of Attorney For Patent Application

English Language Declaration

Claims: 29 (1)
 Informal Dwgs: 10 (10)
 Filed: 6/16/98

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

HIGH-SPEED CELL SEARCH SYSTEM FOR CDMA

the specification of which

(check one)

☒ is attached hereto.

☐ was filed on _____ as

Application Serial No. _____

and was amended on _____
 (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
<u>158460/1997</u> (Number)	<u>Japan</u> (Country)	<u>16/06/1997</u> (Day/Month/Year Filed)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*

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Full name of sole or first inventor

TSUGUO MARU

Inventor's signature

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Date

June 8, 1998

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Second Inventor's signature

Date

Residence

Citizenship

Post Office Address

(Supply similar information and signature for third and subsequent joint inventors.)

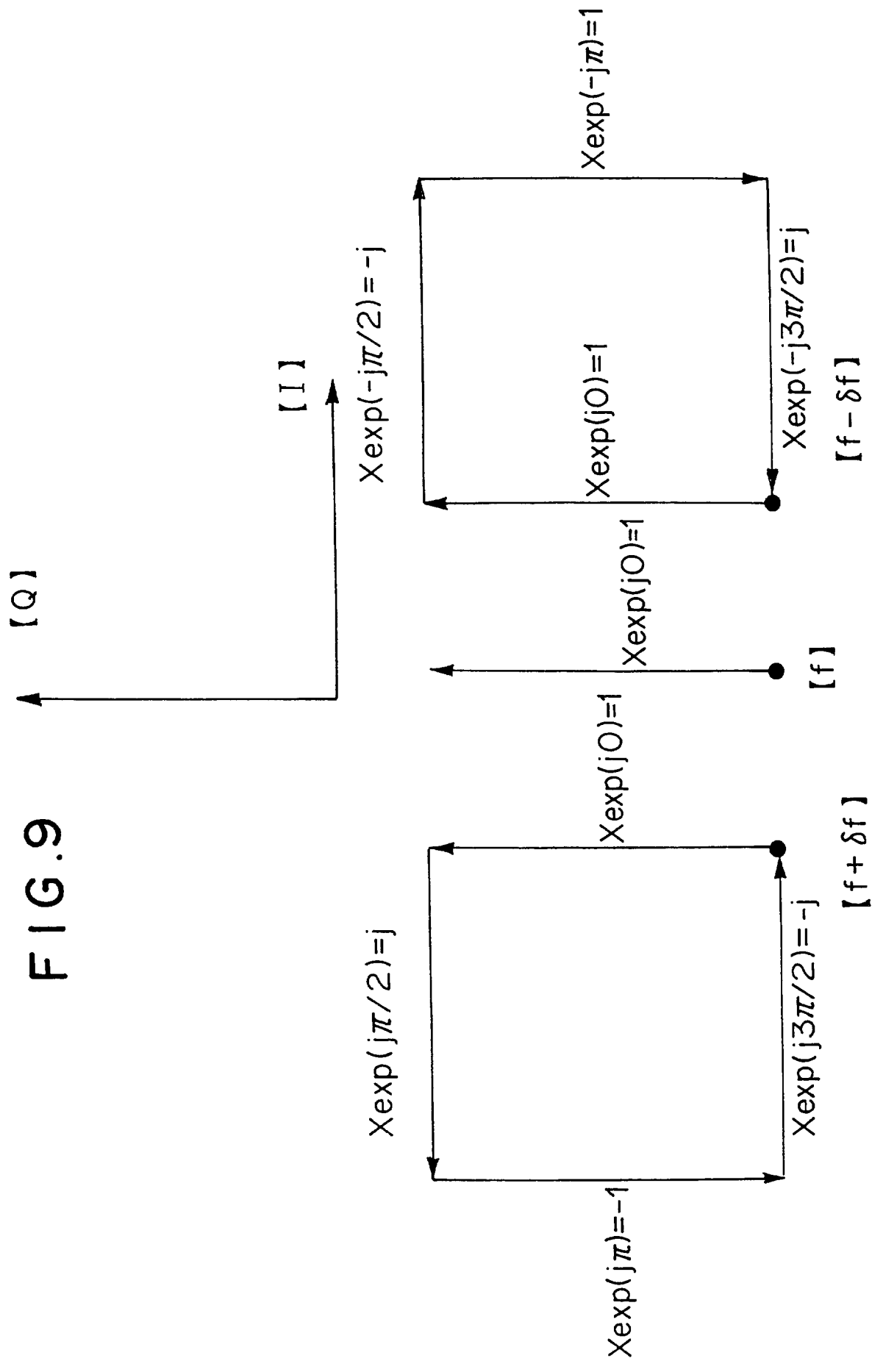


FIG. 10

FREQUENCY DEVIATION		$f + \delta f$		f		$f - \delta f$	
TIME (PHASE)		I	Q	I	Q	I	Q
		a	b	a	b	a	b
t_0	0	a	b	a	b	a	b
t_1	$\pi/2$	-b	a	a	b	b	-a
t_2	π	-a	-b	a	b	-a	-b
t_3	$3\pi/2$	b	-a	a	b	-b	a

● CARRIER FREQUENCY DEVIATION COHERENT INTEGRATION

$$[f + \delta f] \quad I : I(t=t_0) - Q(t=t_1) - I(t=t_2) + Q(t=t_3)$$

$$Q : Q(t=t_0) + I(t=t_1) - Q(t=t_2) - I(t=t_3)$$

$$[f] \quad I : I(t=t_0) + I(t=t_1) + I(t=t_2) + I(t=t_3)$$

$$Q : Q(t=t_0) + Q(t=t_1) + Q(t=t_2) + Q(t=t_3)$$

$$[f + \delta f] \quad I : I(t=t_0) + Q(t=t_1) - I(t=t_2) - Q(t=t_3)$$

$$Q : Q(t=t_0) - I(t=t_1) - Q(t=t_2) + I(t=t_3)$$